

ABSTRACT

A process for producing a modified polyolefin, in which reduction in polymer loss and solvent loss can be attained in modified-polyolefin production steps and the number of the steps can be reduced. It is excellent in productivity and profitability. The process for modified-polyolefin production is characterized by comprising: a step in which an alpha-olefin is polymerized in a liquid phase in the presence of a homogeneous metal complex catalyst to obtain a solution of a lowly crystalline or noncrystalline polyolefin; a step in which the polyolefin solution obtained is continuously dried; and a step in which the dried polyolefin is supplied to an extrusion kneader and modified.